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Complete if Known

Application Number

10/053.929

Filing Date

January 22, 2002

First Named Inventor

Julie Straub

Group Art Unit

1617

Attorney Docket Number

ACU 109 CIP

Sheet	1	of	1
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U.S. PATENT DOCUMENTS

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Substitute for form 1449A/PTO		Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/053,929	
		Filing Date	January 22, 2002	
		First Named Inventor	Julie Straub	
		Group Art Unit		
		Examiner Name		
Sheet	of	12	Attorney Docket Number	ACU 109 CIP

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
J		5,382,437		Ecanow	01-17-1995
		5,468,598		Miller et al.	11-21-1995
		5,470,583		Na, et al.	11-28-1995
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		5,510,118		Bosch, et al.	04-23-1996
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
J		CA	2 136 704		Hoechst Aktiengesellschaft	05-28-1995	
		DE	37 13 326	A1	BASF AG	10-29-1987	
		EP	0 655 237	A1	Hoechst Aktiengesellschaft	05-31-1995	
		GB	1 265 615		Boehringer Mannheim G.M.B.H.	03-01-1972	
		WO	99/56731	A1	Acusphere, Inc.	11-11-1999	

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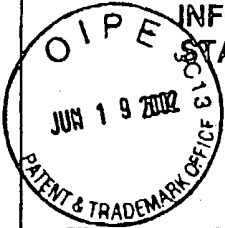
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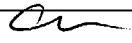
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 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>		Application Number	10/053,929 JUN 27 2002
		Filing Date	January 22, 2002
		First Named Inventor	Julie Straub
		Group Art Unit	
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Sheet 2 of 12	Attorney Docket Number	ACU 109 CIP	

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J		5,591,456		Franson, et al.	01-07-1997
		5,609,998		Texter, et al.	03-11-1997
		5,622,279		Czekai, et al.	09-02-1997
		5,622,938		Wong	04-22-1997
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		5,985,285		Titball, et al.	11-16-1999
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		Office ³	Number ⁴	Kind Code ⁵ (if known)		
J		WO	98/31346	A1	Massachusetts Institute of Technology	07-23-1998
		WO	98/51282	A1	Imarx Pharmaceutical Corp.	11-19-1998

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		Filing Date	January 21, 2002
		First Named Inventor	Julie Straub
		Group Art Unit	
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		Attorney Docket Number	ACU 109 CIP

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J		ADEYEYE & PRICE, "Chemical, dissolution stability and microscopic evaluation of suspensions of ibuprofen and sustained release ibuprofen-wax microspheres," <i>J. Microencapsul.</i> 14(3):357-77 (1997).	
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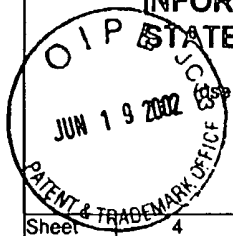
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		Filing Date		January 22, 2002
		First Named Inventor		Julie Straub
		Group Art Unit		
		Examiner Name		
Sheet 4	of 12	Attorney Docket Number		ACU 109 CIP



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		CHIOU & RIEGELMAN, "Pharmaceutical applications of solid dispersion systems," <i>J. Pharm. Sci.</i> 60:1281-1302 (1971).	

Examiner's Signature	Date Considered
	9/84

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		Filing Date	January 22, 2002
		First Named Inventor	Julie Straub
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g		CHIOU, et al., "Enhancement of dissolution rates of poorly water-soluble drugs by crystallization in aqueous surfactant solutions I: Sulfathiazole, Prednisone, and Chloramphenicol," <i>J. Pharm. Sci.</i> 65:1702-04 (1976).	
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Sheet 6 of 12	Attorney Docket Number	ACU 109 CIP		

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[Handwritten signature]		HIRSCHBERG, et al., "Oral absorption of CGS-20625, an insoluble drug, in dogs and man," <i>J. Pharmacokinet. Biopharm.</i> 23(1):11-23 (1995).		
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		Filing Date	January 27, 1992
		First Named Inventor	Julie Straub
		Group Art Unit	
		Examiner Name	
Attorney Docket Number	ACU 109 CIP		

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f		KHAN & JIABI, "Preparation, characterization, and dissolution studies of ibuprofen solid dispersions using polyethylene glycol (PEG), talc, and PEG-talc as dispersion carriers," <i>Drug Dev. Ind. Pharm.</i> 24(5):455-62 (1998).	
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		KONDO, et al., "Pharmacokinetics of a micronized, poorly water-soluble drug, HO-221, in experimental animals," <i>Biol. Pharm. Bull.</i> 16(8):796-800 (1993).	
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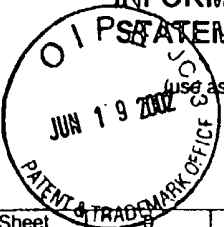
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		Filing Date	January 22, 2002
		First Named Inventor	Julie Straub
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f		LIN, et al., "Improved oral absorption of L-365260, a poorly soluble drug," <i>Biopharm. Drug Dispos.</i> 17(1):1-15 (1996).	
f		LIN, et al., "Preparation of enteric-coated microspheres of <i>Mycoplasma hyopneumoniae</i> vaccine with cellulose acetate phthalate: (II). Effect of temperature and pH on the stability and release behaviour of microspheres," <i>J. Microencapsul.</i> 8(4):537-45 (1991).	
		MARTINDALE, <i>The Extra Pharmacopoeia</i> , 711 Dissolution, pp. 1791-92, 30th Ed. (The Pharmaceutical Press, London 1993).	
		MASON & WINER, "Kinetics of aspirin, salicylic acid, and salicylic acid following oral administration of aspirin as a tablet and two buffered solutions," <i>J. Pharm. Sci.</i> 70(3):262-65 (1981).	
		MIGLIARESI, et al., "Physical characterization of microporous poly(2-hydroxyethyl methacrylate) gels," <i>J. Biomed. Mater. Res.</i> 15:307-17 (1981).	
		MISHRA & YALKOWSKY, "A flat circular hole device for zero-order release of drugs: characterization of the moving dissolution boundary," <i>Pharm. Res.</i> 7(11):1195-97 (1990).	
		MORRIS, et al., "Structural properties of polyethylene glycol-polysorbate 80 mixture, a solid dispersion vehicle," <i>J. Pharm. Sci.</i> 81(12):1185-88 (1992).	
		NAJIB, et al., "The adsorption of hydrophilic polymers at the liquid-solid interface," <i>J. Pharm. Pharmac.</i> 29:43P (1977).	
		NISHIMURA, et al., "Dosage form design for improvement of bioavailability of levodopa VI: formulation of effervescent enteric-coated tablets," <i>J. Pharm. Sci.</i> 73(7):942-46 (1984).	
		NYSTRÖM & WESTERBERG, "The use of ordered mixtures for improving the dissolution rate of low solubility compounds," <i>J. Pharm. Pharmacol.</i> 38(3):161-65 (1986).	

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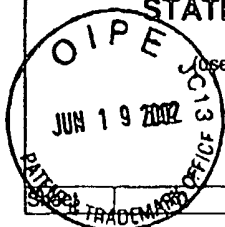
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g		NYSTRÖM, et al., "Dissolution rate measurements of sparingly soluble compounds with the Coulter Counter model TAIL," <i>J. Pharm. Pharmacol.</i> 37(4):217-21 (1985).	
		OTSUKA, et al., "Hygroscopic stability and dissolution properties of spray-dried solid dispersions of furosemide with Eudragit," <i>J. Pharm. Sci.</i> 82(1):32-38 (1993).	
		PACE, et al., "Novel injectable formulations of insoluble drugs," <i>Pharmaceutical Technology</i> 116-34 (March 1999).	
		PILLAY & FASSIHI, "A new method for dissolution studies of lipid-filled capsules employing nifedipine as a model drug," <i>Pharm. Res.</i> 16(2):333-37 (1999).	
		REDDY, et al., "Dissolution characteristics and oral absorption of digitoxin and digoxin coprecipitates," <i>J. Pharm. Sci.</i> 65(12):1753-58 (1976).	
		RIDOLFO, et al., "Benoxaprofen, a new anti-inflammatory agent: particle-size effect on dissolution rate and oral absorption in humans," <i>J. Pharm. Sci.</i> 68(7):850-52 (1979).	
		SAANO, et al., "Relative pharmacokinetics of three oral 400 mg ibuprofen dosage forms in healthy volunteers," <i>Int. J. Clin. Pharm. Ther. Toxic.</i> 29:381-85 (1991).	
		SCHRÖDER & SABEL, "Nanoparticles, a drug carrier system to pass the blood-brain barrier, permit central analgesic effects of i.v. dalargin injections," <i>Brain Research</i> 710:121-24 (1996).	
	SERAJUDDIN, et al., "Effect of vehicle amphiphilicity on the dissolution and bioavailability of a poorly water-soluble drug from solid dispersions," <i>J. Pharm. Sci.</i> 77(5):414-17 (1988).		
V		SERAJUDDIN, et al., "Improved dissolution of a poorly water-soluble drug from solid dispersions in polyethylene glycol: polysorbate 80 mixtures," <i>J. Pharm. Sci.</i> 79(5):463-64 (1990).	

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J		SERAJUDDIN, et al., "Water migration from soft gelatin capsule shell to fill material and its effect on drug solubility," <i>J. Pharm. Sci.</i> 75(1):62-64 (1986).	
		SUZUKI & SUNADA, "Comparison of nicotinamide, ethylurea, and polyethylene glycol as carriers for nifedipine solid dispersion systems," <i>Chem. Pharm. Bull.</i> 45:1688-93 (1997).	
		SUZUKI & SUNADA, "Influence of water-soluble polymers on the dissolution of nifedipine solid dispersions with combined carriers," <i>Chem. Pharm. Bull.</i> 46:482-87 (1998).	
		SWEETANA & AKERS, "Solubility principles and practices for parenteral drug dosage form development," <i>PDA J. Pharm. Sci. Technol.</i> 50(5):330-42 (1996).	
		TAKENAKA, et al., "Preparations of solid particulates of theophylline-ethylenediamine complex by a spray-drying technique," <i>J. Pharm. Sci.</i> 71(8):914-19 (1982).	
		TAKEUCHI, et al., "Enhancement of the dissolution rate of a poorly water-soluble drug (tolbutamide) by a spray-drying solvent deposition method and disintegrants," <i>J. Pharm. Pharmacol.</i> 39(10):769-73 (1987).	
		TASIĆ, et al., "The influence of beta-cyclodextrin on the solubility and dissolution rate of paracetamol solid dispersions," <i>J. Pharm. Pharmacol.</i> 44(1):52-55 (1992).	
W		TINGSTAD, et al., "Dissolution rate studies. III. Effect of type and intensity of agitation on dissolution rate," <i>J. Pharm. Sci.</i> 62(2):293-97 (1973).	
		TORRADO, et al., "Egg albumin microspheres containing paracetamol for oral administration. I. In vitro characterization," <i>J. Microencapsul.</i> 7(4):463-70 (1990).	
		TRAUE, et al., "Spray products of sparingly soluble drugs. I. In-vitro study of spray products of nitrazepam in a starch hydrolysis product," <i>Pharmazie.</i> 43(5):368-69 (1988).	

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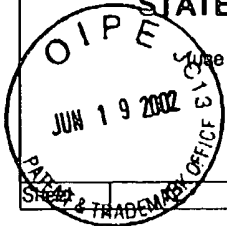
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J		VÉLAZ, et al., "Effect of PEG 4000 on the dissolution rate of naproxen," <i>Eur. J. Drug Metab. Pharmacokinet.</i> 23(2):103-08 (1998).	
		VENKATARAM & ROGERS, "Characteristics of drug-phospholipid coprecipitates I: Physical properties and dissolution behavior of griseofulvin-dimyristoylphosphatidylcholine systems," <i>J. Pharm. Sci.</i> 73(6):757-61 (1984).	
		VUDATHALA & ROGERS, "Dissolution of fludrocortisone from phospholipid coprecipitates," <i>J. Pharm. Sci.</i> 81(3):282-86 (1992).	
		WAN, et al., "Plasticizers and their effects on microencapsulation process by spray-drying in an aqueous system," <i>J. Microencapsul.</i> 9(1):53-62 (1992).	
		WESTERBERG, et al., "Physicochemical aspects of drug release. IV. The effect of carrier particle properties on the dissolution rate from ordered mixtures," <i>Int. J. Pharm.</i> 28:23-31 (1986).	
		YAMAOKA, et al., "Comparison of body distribution of poly(vinyl alcohol) with other water-soluble polymers after intravenous administration," <i>J. Pharm. Pharmacol.</i> 47:479-86 (1995).	
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